

Claim 1 of application	Method according to Application	Method according to Atlas '418
Method of transmitting audio signals between a transmitter and at least one receiver comprising the steps:		
a) resolving an audio signal into a number n of spectral components,	Uses a fast Fourier transform or a number of discrete frequency filters (page 3, last para).	Implements a two-dimensional transform of the signal, producing a transform matrix having modulation frequency as one dimension, wherein said one dimension is a spectral representation of a time variability of a spectra of the signal; uses discrete cosine and sine transforms (claim 14) to produce a 2-dimensional matrix having modulation frequency as one dimension.
b) storing of the resolved audio signals in a two-dimensional array with a multiplicity of fields, with frequency and time as dimensions and the amplitude as particular value to be entered in the field,	Produce a 2-dimesional matrix having frequency and time as dimensions. The matrix comprise a number of data fields filled with an (amplitude) value	Quantizing and selecting coefficients included in the transform matrix; and quantizing the magnitude matrix to produce a quantized magnitude matrix (claim 12).
c) forming a plurality of groups from each individual field and at least two fields of the array adjacent to this field,	Form a plurality of groups of the <u>value</u> of each individual field and at least two values of the fields adjacent to this field	Reducing a dynamic range of the signal; determine weighting factors based on a <u>perceptual</u> model (claim 3).
d) assigning a priority to the individual groups, the priority of one group over another group becoming greater the greater the amplitudes of the group's values and/or the greater the amplitude differences of the	Assign a priority to the individual groups, the priority of one group over another group becoming greater the greater the amplitudes of the group's values and/or the greater the amplitude differences	Producing data packets in which the coefficients that have been selected are encoded based upon a desired order of the coefficients, with coefficients that are more perceptually relevant being

<p>values of a group and/or the closer the group is to the current time, and</p>	<p>of the values of a group and/or the closer the time dimension of the values of the group is to the current time Transmitting the groups to the receiver in the sequence of their priority, wherein groups with a high priority are transmitted first</p>	<p>used first to fill each data packet; coding the quantized magnitude matrix with one of a fixed code and a variable length code (claim 12) ordering the data corresponding to the signal with respect to their <u>perceptual</u> relevance so that data having lower modulation frequencies and lower base-transform frequencies are inserted into a data packet before data having higher modulation frequencies and higher base-transform frequencies (claim 13).</p>
<p>e) transmitting the groups to the receiver in the sequence of their priority.</p>	<p>Groups of least priority are transmitted last</p>	<p>Least perceptually relevant information may be ignored or truncated for scalability to channel data rate capacity.</p>